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The staff of the Division of Crop Production prepare abstracts for the C:A:B ABSTRACTS database which are published in the three main monthly journals, *Field Crop Abstracts*, *Horticultural Abstracts* and *Herbage Abstracts*

These three journals together cover world scientific literature on cultivated crops as well as on wild plants of known economic importance.

Scope of *Field Crop Abstracts*. The subjects covered include the agronomy and biology of all annual field crops grown for food, fodder, oil and fibre, and of tobacco. Land use, farming systems, agricultural meteorology and the control of weeds, pests and diseases are dealt with in so far as they concern the crop coverage.

Field Crop Abstracts

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Volume 45

Cereals	1	89	159	237	343	421	519	633	743	851	953	1033
Wheat	1	89	159	237	343	421	519	633	743	851	953	1033
Oats	11	96	170	248	351	435	534	647	754	865	961	1047
Rye	11	97	170	249	352	436	535	649	754	867	961	1048
Triticale	12	98	–	–	353	436	536	650	755	867	962	1048
Barley	13	98	171	250	353	437	536	650	755	868	963	1048
Zizania spp.	–	–	–	–	–	–	–	–	760	–	966	1054
Maize	17	101	175	253	356	442	540	659	760	873	966	1054
Sweetcorn	25	108	181	265	361	454	551	668	770	881	973	1064
Rice	26	108	181	266	362	454	551	668	770	881	973	1065
Sorghum	32	118	189	275	371	458	563	676	782	890	983	1073
Pennisetum americanum	34	–	191	277	372	460	566	678	785	892	984	1075
Panicum miliaceum	35	–	192	278	–	462	–	–	–	–	–	–
Panicum miliare	–	–	–	–	–	–	–	–	–	–	–	–
Eleusine coracana	35	119	192	–	–	462	567	678	786	893	984	–
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Legumes	36	121	194	279	373	464	568	680	788	894	986	1077
Soyabeans	36	121	194	279	373	464	568	680	788	894	986	1077
Groundnuts	45	125	200	288	379	472	579	686	798	901	991	1086
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Potatoes	61	138	214	307	396	490	599	706	814	920	1008	1104
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Cassava	65	141	218	312	401	494	606	711	–	924	1013	1110
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READERS' GUIDE TO ABSTRACTS

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1 Abstract number
2 Author
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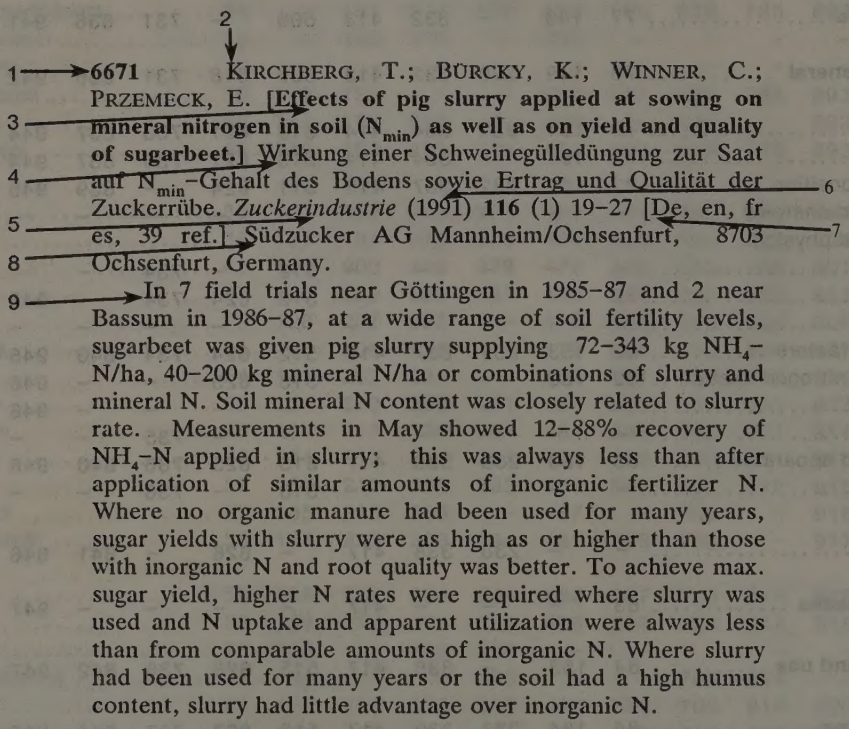
5 Name of journal or other document
6 Year of publication, volume, part number and pagination
7 Language of text, and, in lower case, language(s) of summaries, followed by other bibliographic details
8 Address of first author
9 Abstract


2
1
6671 KIRCHBERG, T.; BÜRCKY, K.; WINNER, C.; PRZEMECK, E. [Effects of pig slurry applied at sowing on
3
mineral nitrogen in soil (N_{min}) as well as on yield and quality of sugarbeet.] Wirkung einer Schweinegülledüngung zur Saat
4
auf N_{min}-Gehalt des Bodens sowie Ertrag und Qualität der
6
Zuckerrübe. Zuckerindustrie (1991) 116 (1) 19-27 [De, en, fr
5
es, 39 ref.]
7
Südzucker AG Mannheim/Ochsenfurt, 8703
8
Ochsenfurt, Germany.
9
In 7 field trials near Göttingen in 1985-87 and 2 near Bassum in 1986-87, at a wide range of soil fertility levels, sugarbeet was given pig slurry supplying 72-343 kg NH_4-N/ha, 40-200 kg mineral N/ha or combinations of slurry and mineral N. Soil mineral N content was closely related to slurry rate. Measurements in May showed 12-88% recovery of NH_4-N applied in slurry; this was always less than after application of similar amounts of inorganic fertilizer N. Where no organic manure had been used for many years, sugar yields with slurry were as high as or higher than those with inorganic N and root quality was better. To achieve max. sugar yield, higher N rates were required where slurry was used and N uptake and apparent utilization were always less than from comparable amounts of inorganic N. Where slurry had been used for many years or the soil had a high humus content, slurry had little advantage over inorganic N.

For non-serial publications such as books, transliterated titles are given for languages in Cyrillic or Greek scripts

Editorial additions within abstracts appear in square brackets e.g. for preferred Latin names of organisms

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Italy, Istituto Sperimentale per la Cerealicoltura, Sezione di Fiorenzuola d'Arda 1975
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Many other serials were scanned during 1992 but no relevant articles were selected. A full list of all the serials scanned for items suitable for abstracting for the CAB ABSTRACTS database and the whole range of CABI's abstract journals is given in the *CAB International Serials Checklist, 1988 edition*. The publication includes ISSNs and publishers' addresses.

Abstracts of Communicated Papers [Horticulture Abstracts], Korean Society for Horticultural Science
Abstracts on Cassava
Abstracts on Field Beans
ACIAR Technical Reports Series
ACS Symposium Series
Acta Academiae Agriculturae ac Technicae Olstenensis, Agricultura
Acta Agriculturæ Scandinavica
Acta Agriculturae Boreali-Sinica
Acta Agriculturae Nucleatae Sinica
Acta Agriculturae Shanghai
Acta Agriculturae Universitatis Jiangxiensis
Acta Agriculturae Universitatis Pekinensis
Acta Agronomica Hungarica
Acta Agronomica Sinica
Acta Agronómica, Universidad Nacional de Colombia
Acta Biochimica et Biophysica Sinica
Acta Biochimica Polonica
Acta Biologiae Experimentalis Sinica
Acta Botanica Austro Sinica
Acta Botanica Indica
Acta Botanica Neerlandica
Acta Botanica Sinica
Acta Horticulturae
Acta Horticulturae Sinica
Acta Hydrobiologica Sinica
Acta Microbiologica Sinica
Acta Oecologica
Acta Ovariensis
Acta Pedologica Sinica
Acta Physiologiae Plantarum
Acta Phytopathologica et Entomologica Hungarica
Acta Phytophylacica Sinica
Acta Phytophysiologica Sinica
Acta Scientiarum Naturalium Universitatis Normalis Hunanensis
Acta Scientiarum Naturalium Universitatis Sunyatseni
Acta Societatis Botanicorum Poloniae
Acta Technologica Agriculturae
Acta Universitatis Agriculturae, Facultas Agronomica
Actes de l'Institut Agronomique et Veterinaire Hassan II
Advances in Agricultural Biotechnology
Advances in Plant Sciences
Advances in Soil Science
Agri Hortique Genetica
Agribiological Research
Agricoltura Mediterranea
Agricultura (Madrid)
Agricultura em São Paulo
Agricultural and Biological Chemistry
Agricultural and Forest Meteorology
Agricultural Engineering Australia
Agricultural Engineering Today
Agricultural Meteorology (Beijing)
Agricultural Progress
Agricultural Research Journal of Kerala
Agricultural Reviews (Karnal)
Agricultural Science Digest (Karnal)
Agricultural Systems
Agricultural Water Management
Agriculture and Horticulture
Agriculture in Northern Ireland
Agriculture, Ecosystems & Environment
Agro-Industry Hi-Tech
Agrochimica
Agroforestry Systems
Agroforestry Today
Agrokémia és Talajtan
Agrokhimiya
Agronomía Costarricense
Agronômico
Agronomie
Agronomie Tropicale
Agronomy and Soils Departmental Series - Alabama Agricultural Experiment Station
Agronomy Journal
Agropecuária Catarinense
Agrotechnology Transfer
Agrotecnia de Cuba
Alexandria Journal of Agricultural Research
Alimentaria
AMA, Agricultural Mechanization in Asia, Africa and Latin America
American Journal of Alternative Agriculture
American Journal of Botany
American Potato Journal
Anais da Escola Superior de Agricultura 'Luiz de Queiroz'
Anales de la Estación Experimental de Aula Dei
Anales del Jardín Botánico de Madrid
Analyst
Analytical Biochemistry
Angewandte Botanik
Animal Feed Science and Technology
Annales Agriculturae Fenniae
Annales de l'Institut National de la Recherche Agronomique de Tunisie
Annales du Tabac. Section 2
Annali dell'Istituto Sperimentale Agronomico
Annali dell'Istituto Sperimentale per il Tabacco
Annali della Facoltà di Agraria, Università Cattolica del Sacro Cuore Milano
Annals of Agricultural Research
Annals of Agricultural Science (Cairo)
Annals of Applied Biology
Annals of Biology
Annals of Botany
Annals of Plant Physiology
Annals of the National Association of Geographers (New Delhi)
Annals of Warsaw Agricultural University SGGW-AR, Agriculture
Annual Bulletin - British Society for Plant Growth Regulation
Annual Report of the Society of Plant Protection of North Japan
Annual Review of Biochemistry
Annual Review of Phytopathology
Applied Agricultural Research
Applied and Environmental Microbiology
Applied Biochemistry and Biotechnology
Applied Biochemistry and Microbiology
Applied Engineering in Agriculture
Applied Entomology and Zoology
Applied Plant Science
Arab Gulf Journal of Scientific Research
Arab Journal of Plant Protection
Archiv für Acker- und Pflanzenbau und Bodenkunde
Archiv für Phytopathologie und Pflanzenschutz
Archives des Science (Geneva)
Archives of Biochemistry and Biophysics
Ardea
Arid Soil Research and Rehabilitation
Arkansas Farm Research
Arquivos de Biologia e Tecnologia
Aspects of Applied Biology
Assiut Journal of Agricultural Sciences
ATAC, Revista de la Asociación de Técnicos Azucareros de Cuba
ATIP Research Paper
ATIP Research Report
ATIP Working Paper
Atmospheric Environment. Part A, General Topics
Australasian Plant Pathology
Australian Journal of Agricultural Research
Australian Journal of Experimental Agriculture
Australian Journal of Plant Physiology
Australian Journal of Soil Research
Australian Journal of Soil Science
Avance Agroindustrial
Bangladesh Journal of Agricultural Research
Bangladesh Journal of Agricultural Sciences
Bangladesh Journal of Scientific and Industrial Research
Bayerisches Landwirtschaftliches Jahrbuch

Beiträge zur Tropischen Landwirtschaft und Veterinärmedizin
Belle Glade EREC Research Report
Beltsville Symposia in Agricultural Research
Berichte des Ôhara Instituts für Landwirtschaftliche Biologie Okayama Universität
Berita-Pusat Penelitian Pe-kebunan Gula Indonesia
Betodlaren
Better Crops with Plant Food
Betteravier (Bruxelles)
Bharatiya Sugar
Bhartiya Krishi Anusandhan Patrika
Biochemical and Biophysical Research Communications
Biochemical Genetics
Biochemical Journal (London)
Biochemical Society Transactions
Biochemie und Physiologie der Pflanzen
Biochemistry (New York)
Biochemistry and Cell Biology
Biochemistry International
Biochimica et Biophysica Acta, Bioenergetics
Biochimica et Biophysica Acta, Biomembranes
Biochimica et Biophysica Acta, General Subjects
Biochimica et Biophysica Acta, Protein Structure and Molecular Enzymology
Biológia (Bratislava)
Biologia Plantarum
Biological Agriculture & Horticulture
Biological Review
Biological Reviews of the Cambridge Philosophical Society
Biologicheskiĭ Zhurnal Armenii
Biology and Fertility of Soils
Biology Bulletin of the Academy of Sciences of the USSR
Biology of the Cell
Biološki Vestnik
Biometrical Journal
Bioresource Technology
Bioscience
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Biotechnology and Bioengineering
Biotechnology Letters
Biotekhnologiya
BIOTROPIA
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Biuletyn Instytutu Hodowli i Aklimatyzacji Roślin
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Boletim de Pesquisa Empresa de Pesquisa Agropecuária do Ceará
Boletim Técnico - Empresa Catarinense de Pesquisa Agropecuária
Boletín de Reseñas-Tabaco
Botanica Acta
Botanical Bulletin of Academia Sinica
Botanical Gazette (Chicago)
Botanical Journal of the Linnean Society
Botanical Review
Botanikai Közlemények
Bragantia
British Sugar Beet Review
Buletin Penelitian Pertanian Maros
Buletini i Shkencave Bujqësore
Buletinul Academiei de Stiinte a Republicii Moldova. Stiinte Biologice si Chimice
Buletinul Informativ al Academiei de Stiinte Agricole si Silvice
Buletinul Institutului Agronomic Cluj-Napoca, Seria Agricultură si Horticultură
Bulletin - Agricultural Experiment Station, University of Tennessee
Bulletin - Arkansas Agricultural Experiment Station
Bulletin - Louisiana Agricultural Experiment Station
Bulletin - Mississippi Agricultural and Forestry Experiment Station
Bulletin - Scottish Crop Research Institute
Bulletin d'Information - CORESTA
Bulletin de l'Académie des Sciences Agricoles et Forestières
Bulletin des Recherches Agronomiques de Gembloux
Bulletin OEPP
Bulletin of Agricultural Research in Botswana
Bulletin of Agricultural Science and Technology
Bulletin of Entomological Research
Bulletin of Faculty of Agriculture, University of Cairo
Bulletin of Hokkaido Prefectural Agricultural Experiment Stations
Bulletin of Taichung District Agricultural Improvement Station
Bulletin of the Chiba Prefectural Agricultural Experiment Station
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Bulletin of the Faculty of Agriculture, Niigata University
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Bulletin of the Kyushu National Agricultural Experiment Station
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Bulletin of the Saitama Horticultural Experiment Station
Bulletin of the Tohoku National Agricultural Experiment Station
Bulletin SROP
Byulleten' Vsesoyuznogo Insituta Gel'mintologii im. K. I. Skryabina
California Agriculture
Canadian Agricultural Engineering
Canadian Institute of Food Science and Technology Journal
Canadian Journal of Animal Science
Canadian Journal of Botany
Canadian Journal of Microbiology
Canadian Journal of Plant Science
Canadian Journal of Remote Sensing
Canadian Journal of Soil Science
Canadian Plant Disease Survey
Carbohydrate Research
Carpeta de Información Técnica, EEA, Anguil
Carta Trimestral - Centro de Investigación de la Caña de Azúcar de Colombia
Cassava Newsletter
Cercetări Agronomice în Moldova
Cereal Chemistry
Cereal Research Communications
Chemical Regulation of Plants
Chemistry of Natural Compounds
Chemosphere
China Cottons
China Sugarbeet
China's Fiber Crops
Chinese Journal of Arid Land Research
Chinese Journal of Biological Control
Chinese Journal of Rice Science
Chinese Vegetables
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Ciencia e Investigación Agraria
Ciência Rural
Ciencia y Técnica en la Agricultura, Arroz
Ciencia y Técnica en la Agricultura, Hortalizas, Papa, Granos y Fibras
Ciencia y Técnica en la Agricultura, Suelos y Agroquímica
Ciencia y Técnica en la Agricultura, Tabaco
Ciencia y Técnica en la Agricultura, Viandas Tropicales
Ciencias de la Agricultura
CIP Bibliography
CIP Research Guide
Circular - College of Agriculture, University of Illinois at Urbana-Champaign
Circular - Fundação Instituto Agronômico do Paraná
Circular Técnica - Unidade de Execução de Pesquisa de Âmbito Estadual de Dourados
Citrus & Vegetable Magazine
CMU Journal of Science
Colección Información Técnica Agraria. Serie Agricultura
Coletânea do Instituto de Tecnologia de Alimentos
Comments on Agricultural and Food Chemistry
Committee Paper - Sugar Beet Research and Education Committee
Commonwealth Forestry Review
Communications in Soil Science and Plant Analysis
Comparative Physiology and Ecology
Comptes Rendus de l'Académie Bulgare des Sciences
Comptes Rendus de l'Académie d'Agriculture de France
Comptes Rendus de l'Académie des Sciences. Series 3, Sciences de la Vie
Comptes Rendus des Séances de la Société de Biologie et de ses Filiales
Computers and Electronics in Agriculture
Comunicado Técnico - UEPAE, Boa Vista Roraima
Comunicado Técnico - Empresa de Pesquisa Agropecuária do Estado do Rio de Janeiro
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Contributii Botanice, Universitatea Cluj-Napoca, Grădina Botanică
Cooperative Sugar
Coton et Fibres Tropicales
Critical Reviews in Plant Sciences
Crop Genetic Resources
Crop Improvement
Crop Protection
Crop Research (Edinburgh)
Crop Research (Hisar)
Crop Science
Cruciferae Newsletter
Cryobiology
Cuaderno de Actualización Técnica, Estación Experimental Agropecuaria Manfredi
Cuba Azúcar
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Cultivos Tropicales
Current Farm Economics
Current Nematology
Current Research - University of Agricultural Sciences (Bangalore)
Current Science
Current Topics in Plant Biochemistry and Physiology
Cytobios
Cytologia
Departmental Note - Scottish Centre of Agricultural Engineering

Difesa delle Piante
Discovery and Innovation
Dissertation Abstracts International. B, Sciences and Engineering
Documentos - Centro de Pesquisa Agropecuária do Trópico Semi-Árido, EMBRAPA
Documentos - Empresa Capixaba de Pesquisa Agropecuária
Documentos - Unidade de Execução de Pesquisa de Âmbito Estadual de Dourados
Doğa, Türk Biyoloji Dergisi
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Doklady, Biochemistry
Doklady, Botanical Sciences
Dossiers Agronomiques d'Aspach le Bas
East African Agricultural and Forestry Journal
Ecological Modelling
Economic Affairs (Calcutta)
Economic Botany
Ecotoxicology and Environmental Safety
Egyptian Journal of Agronomy
Egyptian Journal of Botany
Egyptian Journal of Food Science
Egyptian Journal of Horticulture
Egyptian Journal of Soil Science
Eksperimentinė Biologija
Electrophoresis
EMBO Journal
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Environmental Entomology
Environmental Geochemistry and Health
Environmental Pollution
Environmental Toxicology and Chemistry
Euphytica
EUR Publication
European Journal of Biochemistry
European Journal of Cell Biology
Evolutionary Trends in Plants
Experientia
Experimental Agriculture
Extension Bulletin - ASPAC, Food and Fertilizer Technology Center
Faba Bean in AGRIS
FABIS Newsletter
FAO Plant Production and Protection Paper
Farm Science Journal
Farmers Leaflet
Farming Mechanization
FEBS Letters
Feed Situation and Outlook Report
Fehérje
FEMS Microbiology Letters
Fertiliser News
Fertilizer Research
Field Crops Research
Fitopatologia Venezolana
Fiziologiya i Biokhimiya Kul'turnykh Rasteniĭ
Fiziologiya na Rasteniyata
Fiziologiya Rasteniĭ
Flora (Jena)
Földrajzi Közlemények
Folia Microbiologica
Food Chemistry
Food Sciences and Nutrition
Forest Ecology and Management
Forschungsbericht Agrartechnik des Arbeitskreises Forschung und Lehre der Max-Eyth-Gesellschaft (MEG)
Fujian Agricultural Science and Technology
Gazeta Cukrownicza
Genetica Polonica
Genetika (Beograd)
Genetika i Selektsiya
Geocarto International
Geochimica et Cosmochimica Acta
Gesunde Pflanzen
Getreide, Mehl und Brot
Giessener Beiträge zur Entwicklungsforschung
Gigiena i Sanitariya
Global Environmental Change
Groundnut News
Guangai Paishui = Irrigation and Drainage
Gujarat Agricultural University Research Journal
Gunma Journal of Agricultural Research, A, General
Hanguk Nonghwahak Hoechi
Haryana Agricultural University Journal of Research
Haryana Journal of Agriculture
Haryana Journal of Agronomy
Haryana Journal of Horticultural Sciences
Hassadeh
Helia
Henan Hongye Kexue
Henongxue Tongbao = Journal of Nuclear-Agricultural Sciences
Hereditas (Beijing)
HGCA Oilseeds Research Review
HGCA Project Report
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Histochemical Journal
Hodowla Roślin, Aklimatyzacja i Nasiennictwo
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ICARDA Publication
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Indian Journal of Weed Science
Indian Perfumer
Indian Phytopathology
Indian Sugar
Indonesian Agricultural Research and Development Journal
Indonesian Journal of Crop Science
Industria Azucarera
Industria Saccarifera Italiana
Industrial Crops Research Journal
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Informe Agropecuário
Informe de Pesquisa - Instituto Agronômico do Paraná
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International Biodeterioration
International Chickpea Newsletter
International Journal for Remote Sensing
International Journal of Biometeorology
International Journal of Ecology and Environmental Sciences
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International Tree Crops Journal
Investigação Agrária
Investigación Agraria, Producción y Protección Vegetales
Investigación Agrícola
Iranian Journal of Agricultural Sciences
Irish Journal of Agricultural Research
IRRI Research Paper Series
Irrigation and Drainage Systems
Irrigation and Power
Irrigation Science
Irrigazione e Drenaggio
Issues Paper - Drylands Programme, International Institute for Environment and Development
ITEA Producción Vegetal
Izvestiya Akademii Nauk Kazakhskoĭ SSR. Seriya Biologicheskaya
Izvestiya Akademii Nauk SSR Moldova. Biologicheskie i Khimicheskie Nauki
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Japanese Journal of Applied Entomology and Zoology
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Japanese Journal of Crop Science
Japanese Journal of Farm Work Research

Japanese Journal of Genetics
Japanese Journal of Soil Science and Plant Nutrition
Japanese Journal of Tropical Agriculture
Járművek, Mezőgazdasági Gépek
JARQ, Japan Agricultural Research Quarterly
Jiangsu Agricultural Sciences
Jiangsu Journal of Agricultural Sciences
JIAS, Journal of the Iowa Academy of Science
Journal - American Society of Sugarcane Technologists
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Journal of Turkish Phytopathology
Jute Development Journal
Kagawa Daigaku Nogakubu Gakuzyutu Hokoku = Technical Bulletin of the Faculty of Agriculture, Kagawa University
Karnataka Journal of Agricultural Sciences
Kartofel' i Ovoshchi
Kartoffelbau
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Kerteszeti és Élelmiszeripari Egyetem Közleményei, Élelmiszerfizikai Közlemények
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Khlopok
Korean Journal of Crop Science
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Kukuruza i Sorgo
Landbauforschung Völkenrode
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Lavoura Arrozeira
Legume Research
Lens
Leucaena Research Reports
Lietuvos TSR Aukštųjų Mokyklų Mokslo Darbai, Biologija
Listy Cukrovarnické
Louisiana Agriculture
Lucrări Stiintifice, Institutul Agronomic 'Nicolae Bălcescu'. Bucuresti, Seria A, Agronomie
Macchine e Motori Agricoli - IMA - Il Trattorista
Madras Agricultural Journal
Maize Genetics Cooperation News Letter
Majalah Perusahaan Gula
Malaysian Applied Biology
Malezas
Manejo Integrado de Plages
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MARDI Research Journal
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Microbiology (New York)
Miscellaneous Publication of the Tohoku National Agricultural Experiment Station
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Molecular Plant-Microbe Interactions
Monograph - British Crop Protection Council
Monograph - British Society for Plant Growth Regulation
Monti e Boschi

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Plant Variety Protection Office Official Journal
Plant, Cell and Environment
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Progress in Botany
Progress in Clinical and Biological Research
Progress Report - Economics Group, Resource Management Program ICRISAT
Progressive Farming
Progressive Horticulture
Prophyta
Protoplasma
PSP Pflanzenschutz Praxis
Publication - UC Sustainable Agriculture Research and Education Program, University of California, Division of Agriculture and Natural Resources
Publikatie - Proefstation voor de Akkerbouw en de Groenteteelt in de Vollegrond, Lelystad
Puti Povysheniya Urozhaĭnosti Polevykh Kul'tur
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Radovi Poljoprivrednog Fakulteta Univerziteta u Sarajevu
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Remote Sensing of Environment
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Sborník-Vysoká Škola Zemědělská v Praze Agronomiká Fakulta Českých Budějovicích, Fytotechnická Řáda
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Scientific Reports of the Miyagi Agricultural College
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Symbiosis (Rehovot)
Systematic Botany
Taiwan Sugar
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The Organization
CAB International (CABI) is an international, inter-governmental organization. It is owned by its member governments; these currently number 34, but membership is open to any others wishing to participate. Established in 1928, the organization provides information, scientific and development services for agriculture and allied disciplines throughout the world.

Information Services
The main task of the Information Services, located at the CAB International Centre (CABIC) at Wallingford, is the creation of a bibliographic database (CAB ABSTRACTS) of research on agriculture, forestry, the environment, applied social sciences and aspects of human medicine.

Relevant scientific and technical literature is acquired worldwide for abstracting and indexing by almost 100 scientists/linguists in five divisions:

Animal Health & Medical Parasitology
Animal Production & Human Nutrition
Crop Protection & Genetics
Crop Production
Natural Resources, Forestry & Economics

Further material is acquired and processed by collaborating or contracted organizations.

Abstract journals and electronic products derived from the database, and online access to it, provide unique sources of information for research scientists, development planners, educators and students.

The Information Services also publish primary journals and books, and offer training for information professionals, especially from developing countries.

Scientific Services
CABI's Scientific Services consist of four institutes and Library Services:

International Institute of Entomology
Acting Director, Prof. T. Jones, located at 56 Queen's Gate, London, and in the Natural History Museum.

International Mycological Institute
Director, Professor D.L. Hawksworth, located at Bakeham Lane, Egham, Surrey, TW20 9TY.

International Institute of Parasitology
Director, Dr R. Muller, located at Winches Farm, St Albans, Herts, AL4 0XU.

International Institute of Biological Control,
Director, Dr J.K. Waage, has its headquarters at Silwood Park, Ascot and stations in Trinidad and Tobago, Switzerland, Pakistan, Kenya and Malaysia.

These Institutes provide an authoritative identification service for agricultural pests and other organisms, a biocontrol service, and conduct research, implement projects, and provide training in their fields of expertise.

Library Services
Manager, Mr C.J. Hamilton, have headquarters at Silwood Park, and operate document delivery and translation services.

Marketing and Development Services
MDS is responsible for the marketing of all CABI products and services, and for its development and training services. An important aspect is the establishment of effective partnerships with relevant development assistance agencies aimed at increasing the delivery of CABI services to developing countries.

Information Technology Services
ITS provide computing resources and services to all parts of CABI. A central computing facility is maintained with telecommunications access to seven remote sites, including the four CABI Institutes. CABIC is served by a modern Local Area Network which provides access to the computers, and by advanced office automation facilities. The staff include database production personnel, systems analysts, programmers and computer operators. The principal systems are for the production of the CAB ABSTRACTS database and associated functions, plus accessions control, subscription management and electronic publishing.

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